

## **Abstract**

### **ENHANCING SNR AND THROUGHPUT PERFORMANCE OF INTEGRATED CIRCUITS**

Low voltage transistors are used in high voltage environment. The low voltage  
5 transistors may be used in the path of processing of a signal to increase the throughput  
performance. By using high voltage supply associated with the high voltage environment,  
a higher SNR may be attained. Various techniques are implemented to ensure that the low  
voltage transistors are not damaged by prolonged exposure to high voltages.